


12. A tooth adapted to be connected to a tooth holder of an earth moving machine wherein the tooth holder has a protruding portion, of an earth moving machine, said tooth having a cavity for receiving the protruding portion of the tooth holder, and protruding ears on each side of the cavity adapted to be received in corresponding housings of the tooth holder, characterized in that said ears are inclined and the distance between the upper parts of the ears is less than the distance between the lower parts of the ears.



13. A tooth according to claim 12, wherein said cavity has a mouth, characterized in that the mouth of said cavity of the tooth has a substantially trapezoidal cross section shape with the longer of the two parallel sides of the trapezoid at the bottom of said mouth.

14. A tooth according to claim 13, characterized in that said protruding ears are substantially parallel with the sides of the trapezoidal mouth of the cavity.

15. A tooth according to claim 12, said cavity having the inner shape and size corresponding to the outer shape and size of the protruding portion of the tooth holder, whereby said tooth fits tightly around the protruding portion.

16. A tooth according to claim 12, whereby said protruding ears have respective inner parts connecting the ear to the remainder of the tooth, each of said inner parts being provided with a larger cross section area than the rest of the ear.

17. A tooth according to claim 16, characterized in that the height of the inner part of the ear is larger than the height of the rest of the ear.

18. A tooth according to claim 16, characterized in that the width of the inner part of the ear is larger than the width of the rest of the ear.

19. A tooth according to claim 12, characterized in that each of the ears is provided with stepped guides at least at one of its upper and lower regions.

20. A tooth according to claim 12, whereby said tooth is adapted to be locked on the tooth holder by a retaining pin, characterized in that at least one of said ears is provided with an inwardly protruding stop member for holding the tooth in the desired position on the tooth holder when being locked by the retaining pin.

21. A tooth holder adapted to be connected to an earth moving machine, said tooth holder having a protruding portion adapted to be received in a cavity of a tooth, and a housing located on each side of the protruding portion for receiving protruding ears of the tooth, characterized in that a lateral inner surface of each of the housings, which is adapted to be facing the inner surface of the tooth ear, is inclined whereby the transverse distance between the upper part of the said housings is less than the transverse distance between the lower parts of said housings.

22. A tooth holder according to claim 21, said tooth holder including a body, and an inner part is provided to connect the protruding portion to the tooth holder body, said inner part having a substantially trapezoidal cross section shape with the longer of the two parallel sides at the bottom.

23. A tooth holder according to claim 22, characterized in that the inclination of said lateral inner surface of each of the housings is substantially the same as the inclination of the sides of said trapezoidal part of the protruding portion.

24. A tooth holder according to claim 21, characterized in that an outer part of the protruding portion, which forms the free end of the protruding portion, and has a substantially trapezoidal cross section shape with the longer of the two parallel sides at the top.

25. A tooth holder according to claim 21, characterized in that the tooth holder comprises at least one hole extending from an upper surface of the tooth holder at least to said housing, for receiving a retention pin.

26. A tooth holder according to claim 25, said tooth holder having a body, characterized in that the hole for the retention pin is located in said body of the tooth holder at a predetermined distance from the protruding portion of the tooth holder.

27. A tooth holder according to claim 25, characterized in that the hole for the retention pin extends substantially parallel to said lateral inner surface of said housing.

28. A tooth holder according to claim 25, characterized in that the tooth holder comprises a lateral groove extending in the connection direction of the tooth and the tooth holder for receiving a stop member on the ear of the tooth.

29. A tooth holder according to claim 28, characterized in that said hole for the retention pin intersects said lateral groove.

30. A tooth holder according to claim 21, characterized in that each of the housings is provided with stepped guides at least at one of its upper and lower regions.

31. A tooth holder according to claim 21, characterized in that each of said housings has a rear part forming a mouth, adapted to received ears of a tooth, said mouth being wider than the inner parts of the housing to strengthen the support zone of the tooth holder.